WHAT IS CLAIMED IS:

- An asphalt composition comprising:
 asphalt; and
 a solution comprising a polymerizable monomer solvent and a rubber or elastomeric
 polymer.
- 2. The asphalt composition according to Claim 1, wherein said rubber or elastomeric polymer is selected from the group consisting of a styrene-butadiene copolymer, a styrene-isoprene copolymer, an ethylene vinyl acetate copolymer, polyethylene, and polypropylene.
- 3. The asphalt composition according to Claim 1, wherein said polymerizable monomer solvent is selected from the group consisting of styrene, N-vinylpyridine, N-vinyl-2-pyrolidone, α-methylstyrene, vinylnaphthalene, alkylated styrene, and combinations thereof.
- 4. The asphalt composition according to Claim 1, further comprising a crosslinking agent.
- 5. The asphalt composition according to Claim 4, wherein said crosslinking agent is selected from the group consisting of divinylbenzene, diallylphthalate, diallylmaleate, ethoxylated bisphenol A dimethacrylate, polyethylene glycol dimethacrylate, polyethylene glycol diacrylate, and combinations thereof.
- 6. The asphalt composition according to Claim 2, further comprising a crosslinking agent comprising a diffunctional compound which crosslinks at olefinic sites of said rubber or elastomeric polymer.
- 7. The asphalt composition according to Claim 6, wherein said crosslinking agent is a bismaleimide compound.

- 8. The asphalt composition according to Claim 6, further comprising a solvent in which said crosslinking agent is dissolved prior to addition to said asphalt.
- 9. The asphalt composition according to Claim 1, further comprising a free radical initiator.
- 10. The asphalt composition according to Claim 9, wherein said free radical initiator is selected from the group consisting of peroxides, hydroperoxides, azo compounds, peroxyesters, and combinations thereof.
- 11. The asphalt composition according to Claim 10, wherein said peroxide initiator is selected from the group consisting of cumenyl hydroperoxide, di-tert-butylperoxide, and combinations thereof.
- 12. The asphalt composition according to Claim 1, further comprising an inhibitor.
- 13. The asphalt composition according to Claim 12, wherein said inhibitor is selected from the group consisting of t-butylcatechol, hydroquinone, hydroxyl-TEMPO, quinonemethides, diethylhydroxylamine, and combinations thereof.
- 14. A method of adding a rubber or elastomeric polymer to asphalt, comprising the steps of: heating the asphalt;
- dissolving the rubber or elastomeric polymer in a polymerizable monomer solvent to form a polymer solution; and
 - adding the polymer solution to the heated asphalt.
- 15. The method according to Claim 14, wherein the step of heating the asphalt comprises heating the asphalt to a temperature of about 200°F to about 600°F.

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16. The method according to Claim 14, wherein the step of heating the asphalt comprises heating the asphalt to a temperature of about 325°F to about 400°F.

- 17. The method according to Claim 14, further comprising the step of adding a free radical initiator to the heated asphalt to assist in the reaction of the polymerizable monomer.
- 18. The method according to Claim 17, wherein the free radical initiator is added to the heated asphalt with the polymer solution.
- 19. The method according to Claim 17, wherein the free radical initiator is added to the heated asphalt at a period of time after the addition of the polymer solution.
- 20. The method according to Claim 19, wherein the period of time comprises less than about 24 hours.
- 21. The method according to Claim 14, further comprising the step of adding an inhibitor to the heated asphalt.
- 22. The method according to Claim 14, further comprising the step of adding a crosslinking agent to the heated asphalt.